

Program Description

The World's Premier Power Projection Platform... Home of the Army's Airborne and Special Operations Forces, Fort Bragg is one of the largest and most important military bases in the world. Its mission is to provide the people, the infrastructure, and the services to support power projection, mobilization, and demobilization for America's contingency forces. It aims to do this as "an installation and community team, [to] continuously improve the training, working, and living environment for soldiers, families, and the civilian work force. In support of those efforts, Fort Bragg maintains a vast infrastructure of roads, buildings, parks, and training areas. In fact, with a daytime population over 100,000 people, Fort Bragg is really a city unto itself.

Like any city, resource management is vitally important. The successful operation of Fort Bragg requires clean air and water, thousands of kilowatt-hours of electricity, and expansive training areas to effectively train our troops. Yet as our use of these resources continues to grow, their supply does not, and the costs of securing and protecting these resources expand every year. Left unchecked, these environmental challenges could soon impact our ability to fulfill the mission. Traditional environmental management is no longer an option. A new approach is needed, a more **sustainable** one.

Preserving Our Legacy... Simply put, the Fort Bragg Installation Sustainability Program will help the installation develop new operational procedures that allow Fort Bragg to accomplish its mission today without compromising its ability to do so in the future. Sustainable Fort Bragg uses fewer resources and saves money while improving mission readiness, as well as fostering the long-term health and viability of the installation, and the communities that surround it.

Sustainability (n) – "...meet[ing] the needs of the present generation without compromising the ability of future generations to meet their own needs."
-Brundtland, 1987

Phase I: Sustainable Fort Bragg

- May 2001 - Team Leaders create integrated, multi-disciplinary teams.
- June 2001 - May 2002 Teams develop long-term objectives to reach the goals.
- May 2002 - Jan 2003 Objectives are linked to projects and funding requirements for FY04-FY11.
- May 2003- Completion of the *Fort Bragg Integrated Strategic Sustainability Plan: FY04-FY11 Requirements*.
- February 2003 - Gap Analysis to review the goals and vision, link goals and vision to The Natural Step.
- Beginning February 2003 – Link Sustainable Fort Bragg and emerging Environmental Management System.

Phase II: Sustainable Sandhills

- Formalize partnership with the North Carolina Department of Environment and Natural Resources.
- 19 February 2003 – Sandhills Region Executive Seminar and Luncheon engages stakeholders from six surrounding counties.
- 5-8 May 2003 Sustainable Sandhills Workshop and Training – 127 participants from the Sandhills develop 25-year vision for a Sustainable Region

Sustainable Fort Bragg Vision

In order to maintain the Fort Bragg legacy and to continue to train troops to standard, it is necessary to integrate long-term sustainable planning into the day-to-day operations of the installation. Our vision for Sustainable Fort Bragg is an installation that will:

- Provide soldiers the necessary training to ensure mission success without compromising local or regional environmental quality;
- Be recognized as a world leader in practicing global citizenship and promoting sustainability values;
- Continuously seek new technologies, share lessons learned, and promote the exchange of ideas within the region and communities;
- Restore and protect these valuable assets for future generations, as nationally recognized stewards of significant cultural and natural resources; and
- Be an integral part of a healthy, thriving region, where all enjoy a high quality of life and access to vital resources.

The Goals

Reduce amount of water taken from Little River by 70 percent by 2025, from current withdrawals of 8.5 million gallons per day.



All water discharged from Fort Bragg will meet or exceed North Carolina state high quality water (HQW) standard by 2025.

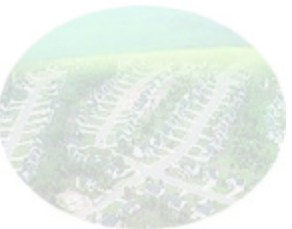


Landfill waste to be aggressively reduced towards zero by 2025.

Meet minimum platinum standard for all construction by 2020 construction program, and renovate 25 percent all existing structures to at least a bronze standard by 2020 using the Corps of Engineers Sustainable Project Rating Tool (SPiRiT).



Adopt compatible land use laws/regulations with local communities by 2005.



Reduce energy in accordance with Executive Order 13123.



Develop and implement an effective regional commuting program by 2015.



Reduce the use of both gasoline and diesel in the non-tactical fleet by 70 percent by 2015 and 99 percent by 2025.

Develop an integrated environmental education program for Fort Bragg, its surrounding communities, and interested parties.



Work towards 100 percent Environmentally Preferable Purchases by 2025 for all purchases, including government purchase cards, contract, and military requisitions.



Sustainable Fort Bragg Team Highlights

Over the last year, teams progressed rapidly. Meeting regularly throughout the year, the primary focus of their work over was to set 5-Year Objectives with resource requirements to be included in the *Fort Bragg Integrated Strategic Sustainability Plan*. Without exception, each team succeeded in setting ambitious objectives to move the installation and our surrounding community closer towards our long-term goals.

➡ **WATER RESOURCES:** Development began on a water reuse plan for the wastewater currently being discharged at the wastewater treatment plant. In addition, the Water Resources Team has concurrent projects underway which will develop a rapid assessment method to determine stream siltation loads, provide input into the updated *Installation Design Guide*, and provide Low Impact Development (LID) training for key installation staff.

➡ **WASTE REDUCTION:** Projects identified by the Waste Reduction Team have helped Fort Bragg significantly improve recycling, increasing the recycling rate from 12 percent in 2000 to over 59 percent in 2002! Successful projects include the conversion of concrete and masonry from old buildings into usable road aggregate.

➡ **SUSTAINABLE DESIGN:** The Sustainable Design Team continued to work on the update of the *Installation Design Guide* and applying sustainable design concepts in new construction projects. The use of the Sustainable Project Rating Tool (SPiRiT) has been included in all Requests for Proposals (RFP's) that originated in 2002.

➡ **TRAINING LANDS:** Also known as the Regional Land Use Advisory Council (RLUAC), the Training Lands team recently put the finishing touches on the first updated Joint Land Use Study (JLUS) in over ten years. The creation of a seven county planning database within the NC Department of Commerce provides a powerful tool that is now accessible to all of the counties.

➡ **ENERGY CONSERVATION:** In partnership with the Corps of Engineers Construction Engineering Research Laboratory (CERL), the Public Works Business Center is currently using a 5-kilowatt hour (KW) natural gas fired fuel cell on one of its facilities. The installation engineers have also begun using a solar and wind-powered exterior lights in place of the traditional electric lights. These lights are currently being used in a remote access control point.

➡ **SUSTAINABLE TRANSPORTATION AND AIR QUALITY:** In the beginning of 2003, Fort Bragg developed and adopted a plan for converting over 100 non-tactical vehicles (NTVs) into Alternately Fueled Vehicles (AFVs). Also, in April of 2003, Range Control became the first agency on post to start using Biodiesel B10 (90 percent diesel and 10 percent soybean-based oil).

➡ **SUSTAINABILITY AND ENVIRONMENTAL TRAINING:** The first Training Plan has been developed and over 50 of the installation's ongoing courses have been identified for review to determine areas where sustainability can be included.

➡ **ENVIRONMENTALLY PREFERRED PURCHASING:** A local partner, Fayetteville State University, received a Region IV EPA grant for an affirmative procurement project. This project focuses on the items most commonly purchased by Fort Bragg and will identify the local sources of procurement or manufacture for those items.



LEARN MORE

Installation or community members interested in learning more about Sustainable Fort Bragg or one of the workgroups can contact Christine Hull (hullcg@bragg.army.mil), the Long-Term Sustainability Planner, or one of the team leaders listed below.

Water Quality - Craig Lantz (lantz@bragg.army.mil)
Water Supply - Dave Heins (heinsd@bragg.army.mil)
Waste Reduction - Paul Wirt (wirtp@bragg.army.mil)
Sustainable Design - Rob Harris (harrisr1@bragg.army.mil)
Energy - Steve Smith (smiths@bragg.army.mil)
Training - George Frank (frankgr@bragg.army.mil)
Land Use - Glen Prillaman (prillamg@bragg.army.mil)
Materials - Rob Dozier (dozierrob@bragg.army.mil)
Transportation - Doug Flowers

Sustainable Fort Bragg

Progress Report



Colonel Gregory G. Bean, Director of the Fort Bragg Public Works Business Center, receives the Save Our State Award from Bob Mauldin, Save Our State Board Chair and NC Lieutenant Governor, Beverly Perdue, October 2002.

Bringing all our resources to bear, to sustain the mission.

SUMMER 2003